# GV-MDR120 1.3MP H.264 Low Lux Mini Fixed Rugged Dome

- 1/3" progressive scan CMOS
- Megapixel lens
- Dual streams from H.264 and MJPEG
- Up to 30 frames per second in megapixel resolution (1280 x 1024)
- Day and night function (electronic)
- Vandal resistance (IK10 rating)
- Ingress resistance (IP67 rating)
- EN50155 compliance for rolling stock applications
- 3-axis mechanism: pan (-45° ~ +45°), tilt (0° ~ 90°), rotate (0° ~ 360°)
- Built-in microphone
- Memory Card Slot
- Wide Dynamic Range (WDR)
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- Endurable to low environment temperatures (-20°C ~ 50°C / -4°F ~ 122°F)
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF conformant

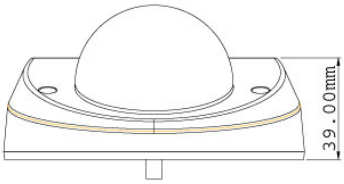
* No Memory Card Slot & local storage function for Argentina.

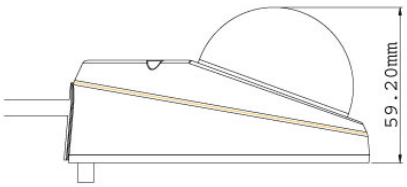
## Active Tampering Alarm

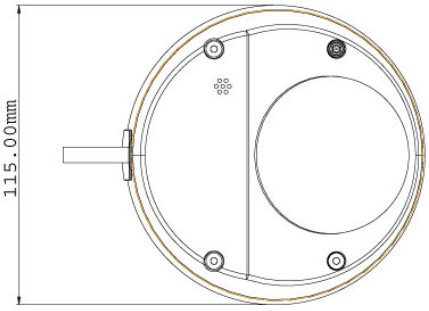
Tampered

Focus Change

Camera Shift



## SPECIFICATIONS

| | | |
|---|---|---|
| **Camera** | | |
| Image Sensor | | 1/3" progressive scan CMOS |
| Picture Elements | | 1280 (H) x 1024 (V) |
| Minimum Illumination | Color<br>BW | 0.08 Lux at F/1.5 |
| Shutter Speed | | Automatic, Manual (1/5 ~ 1/8000 sec) |
| White Balance | | Automatic, Manual (2800K ~ 8500K) |
| Gain Control | | Automatic |
| S/N Ratio | | 45 dB |
| BLC | | Yes |
| **Lens** | | |
| Megapixel | | Yes |
| Day/Night | | Yes (electronic) |
| Iris | | Fixed |
| Focal Length | | 4.05 mm |
| Maximum Aperture | | F/1.5 |
| Mount | | M12, Pitch 0.5 mm |
| Image Format | | 1/3" |
| Operation | Focus | No |
| | Zoom | No |
| | Iris | Fixed |
| **Operation** | | |
| Video Compression | | H.264, MJPEG |
| Video Streaming | | Dual streams from H.264 and MJPEG |
| Frame Rate | | 30 fps at 1280 x 1024<br>* The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes). |
| Image Setting | | Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, D/N sensitivity, WDR, Defog |
| Audio Compression | | G.711, AAC (16 kHz / 16 bit)<br>* AAC is only supported by GV-System V8.5 or later |
| **Video Resolution** | | |
| Main Stream | 4:3 | 1280 x 960, 640 x 480, 320 x 240 |
| | 16:9 | 1280 x 720, 640 x 360, 448 x 252 |
| | 5:4 | 1280 x 1024, 640 x 512, 320 x 256 |
| Sub Stream | 4:3 | 640 x 480, 320 x 240 |
| | 16:9 | 640 x 360, 448 x 252 |
| | 5:4 | 640 x 512, 320 x 256 |
| **Network** | | |
| Interface | | 10/100 Ethernet |
| Ethernet Protocol | | HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF |
| **Mechanical** | | |
| Lens Mounting | | M12, Pitch 0.5 mm |
| Temperature Detector | | Yes |
| Camera Angle Adjustment | Pan | -45° ~45° |
| | Tilt | 0° ~ 90° |
| | Rotate | 0° ~ 360° |
| Connectors | Power | PoE |
| | Ethernet | Ethernet (10/100 Base-T), RJ-45 |
| | Audio | Built-in microphone |
| | Local Storage | Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above) |
| LED Indicator | | 4 LEDs: Link, ACT, Power, Status |

| | | |
|---|---|---|
| **General** | | |
| Environment Temperature | | -20 °C ~ 50 °C / -4 °F ~ 122 °F |
| Humidity | | 10% to 90% (no condensation) |
| Power Source | | PoE |
| Max. Power Consumption | | 3.7 W |
| Dimensions | Camera Body | ø 115 x 59.2 mm / 4.5 x 2.3 in |
| | Cable Length | 1.054 m / 41.5 in |
| | Cable Diameter | ø 6.2 mm / 0.24 in |
| | Maximum Connector Diameter | ø 30 mm / 1.18 in |
| Weight | | 568 g / 1.3 lb |
| Ingress Resistance | | IP67 |
| Vandal Resistance | | IK10 |
| Regulatory | | CE, FCC, C-Tick, EN50155, RoHS compliant |
| **Power over Ethernet** | | |
| PoE Standard | | IEEE 802.3af Power over Ethernet / PSE |
| PoE Power Supply Type | | End-Span |
| PoE Power Output | | Per Port 48V DC, 350mA. Max. 15.4 watts |
| **Web Interface** | | |
| Installation Management | | Web-based configuration |
| Maintenance | | Firmware upgrade through Web Browser or Utility |
| Access from Web Browser | | Camera live view, video recording, change video quality, bandwidth control, image snapshot, digital I/O control, audio, Wide Angle Lens Dewarping, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay |
| Language | | Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian /Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish |
| **Applications** | | |
| Network Storage | | GV-NVR, GV-System, GV-Backup Center, GV-Recording Server |
| Smart Device Access | | - GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch- GV-Eye HD for iPad |
| Live Viewing | | IE , GV-MultiView |
| CMS Server support | | GV-Control Center, GV-Center V2, GV-VSM |

**Note:** Specifications are subject to change without notice.